DS7080iP32 Eight-zone Control Panels

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Invented for life

- Keypad programmable
- Remotely programmable
- Custom-programmable alpha display
- Two partitions
- History buffer

The DS7080iP-32 Eight-zone Control Panels can be partitioned, and expanded to 32 zones. They accept up to 24 Personal ID numbers (PINs), are keypad or remotely programmable, support multiple languages, and have a wide range of features.

Functions

Keypad Programmable
Uses the DS7447E or DS7447V2 liquid-crystal display (LCD) keypads. There is no need for expensive hand-held programmers.

Remotely Programmable
Uses a standard Hayes modem and WDSRP2 software for Windows®, and a computer running Windows to program remotely. Using an off-site computer to run diagnostics, arm systems, and bypass zones reduces service visits.

Two Partitions
The DS7080iP-32 can be split into two partitions. Assign users to one or both partitions. Program common zones to allow users access to areas (foyers and entrance ways). Partitions and common zones can be accessed by assigned users from all keypads.

24 PINs
Supports 24 PINs in any combination of four or six digits. Designate PINs as master PINs that can be used to reprogram PINs. PINs can be programmed with seven levels of authority and restricted from bypassing, testing, and disarming the system.

100-event History Buffer
A 100-event history buffer, that can be read at the DS7447E or DS7447V2 keypads or uploaded to the WDSRP2 Remote Programming Software, tracks Open and Close, Alarm, and Trouble events by time and date. The installer can program which events are stored.

Eight Zones, Expandable to 32 Zones
The DS7080iP-32 accepts up to eight input zones. The zones are flexible, and can be programmed to provide different functions. Add up to 24 additional zones using EX8 expansion modules.

Answering Machine Override
This function is built into the DS7080iP-32 Control Panels. No external hardware is required.

Anti-takeover Protection
All or part of the programming can be locked so the program cannot be changed if someone attempts to takeover the account.

Automatic Arming or Delayed Arming
Program an automatic arming time for each partition daily, override automatic arm time, or specify a time for the panel to arm.

Cross-zoning Control
Program zones to cause an alarm only when specific zone pairs activate to reduce false alarms. Program cross-zoning to cause an alarm when zones activate in sequence for detecting the direction in which an intruder moved.

Custom Arming Configurations
Use different arming configurations to automatically bypass a group of zones.

Easy Function-Key User Interface
- Six labeled function keys eliminate the need for multi-button commands. Enter a PIN followed by the function key to perform functions such as arming, disarming, and resetting smoke detectors.
- The interface has easy to follow procedures. The interface does not use cumbersome menu driven formats, so expert users can quickly access the items they need.
- A programmable Quick Arm feature allows users to turn the system on without a PIN; however, a PIN is needed to turn off the system, silence alarms, or perform system tests. Residential Mode requires a PIN to disarm the system, silence alarms, and reset the system.

Program Memory
The control panel retains all program memory and the arm-disarm state during a power failure. When power restores, alarms are delayed to prevent false alarms from detectors that can take several minutes to become operational. None of the system programming or user codes are lost.

Flexible Digital Communication
The communicator works with most alarm receivers used today. It supports 3/1, 4/1, 4/2, SIA, Contact ID, High Speed 4/9, BFSK digital communicator formats, and a pager format. The pager format allows the control panel to dial a digital pager service and leave a numeric message representing the account number and event code.

Keypad Support
- The DS7443S LED Keypad has one LED per zone (LEDs 1 to 6 for main board zones) and four system status LEDs that indicate conditions such as armed, fire alarm, and trouble.
- The DS7445i or DS7445V2 Light-emitting Diode (LED) Keypads have one LED per zone (LEDs 1 to 8 for main board zones and LEDs 9 to 16 for expansion zones) and eight system status LEDs that indicate conditions such as armed, fire alarm, and trouble.
- The DS7447E or DS7447V2 Alphanumeric Keypads have two lines of custom-programmable display. You can program 16 characters of custom text for zone and partition descriptions. The user can adjust the sounder volume and backlight intensity using easy two-button commands. The DS7447E or DS7447V2 Keypad is required for system programming.

Notice
LED and LCD keypads can be mixed in the same system. Up to four keypads can be used, but no more than two keypads on any 300 m run.

Optional Eight-relay Output Module
The DS7488 module has eight Form C relays with fixed functions such as alarm output, system ready, and panic.

Optional Solid-state Output Module
The DS7489 module has eight current-sink outputs, with fixed functions, to operate devices such as LEDs and sounders. Total current sink is 750 mA for all eight outputs.

Smoke Detector Alarm Verification
Program the DS7080iP-32 Control Panels to perform an automatic reset on the smoke detectors if an alarm occurs. If a second alarm occurs within the verification window, an immediate fire alarm results. Fast response to a fire is maintained while potential false alarms are reduced.

Three Telephone Numbers
The system supports two 20-digit telephone numbers with a three- or four-digit account code. Configure each of the two phone number's communication format and choice of pulse or tone dialing. The third phone number is reserved for remote programming.

Two Independent Entry Delays
Program zones to select one of two entry delay times. You can select a longer entry delay time for zones that are located a long distance from the keypad.

Certifications and approvals

USA FCC

Region	Certification	
Europe	CE	1999/5/EC Radio Equipment and Telecommunications Equipment (R&TTE), 2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD)
Belgium	INCERT	B-509-0003/c
USA	UL	AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023)

Installation/configuration notes

Compatible Products

The following products are compatible with the DS7080iP-32 Control Panels:

Keypads and Annunciators	DS7443S LED Keypad
	DS7445i LED Keypad
	DS7445V2 LED Keypad
	DS7447E LCD Keypad
	DS7447V2 LCD Keypad
Modules	C900 Dialer Capture Module
	C900TTL-E Dialer Capture Module
	DS7480 Bell Supervision Module
	DS7481 Single Phone Line Monitor
	DS7488 Octal Relay Module
	DS7489 Solid-state Output Module

Technical specifications

Communicator

Phone Numbers:	2 phone numbers are available for reporting. A third number is available for remote programming.
Report Formats:	Full single, double and backup reporting
Communication Formats:	SIA, 3/1 Ext, 4/1, 4/2, Contact ID, High Speed 4/9, BFSK, and pager format
Ringer Equivalence:	0.1 B

Enclosure

Material:	1.0 mm, cold-rolled steel
Dimensions:	32 cm x 37 cm x 7.6 cm

Environmental Considerations

Relative Humidity:	5% to 85% at +30°C non-condensing
Temperature (Operating):	0°C to +49°C

Fire Signal Initiating Circuit (Two-Wire Mode)

Circuit Type:	Class B, latching
Supervisory Current:	5 mA
Circuit Voltage:	8.5 VDC to 14.1 VDC
Circuit Resistance:	60 Ω maximum
Current for Alarm:	12 mA minimum
Impedance for Alarm:	1000 Ω maximum
Short Circuit Current:	22 mA maximum
Detector Standby Current:	2.5 mA total
Detectors per Zone:	20 detectors (two-wire) maximum

Inputs

Burglar/Fire Zone:	8 circuits on-board, 24 off-board zones can be added. End-of-line resistor: 2.21 kΩ (P/N: 19809)
System Trouble:	A separate terminal can be used to monitor multiple external devices such as phone line monitors, without using 1 of the 8 zones. A dry contact output from such a device causes a system trouble.

Keypads

Keypads:	4 maximum

Outputs

Alarm Output:	Normally-open, 1.0 A contact connected to auxiliary power. Can be programmed for steady or pulsed output.
Programmable Output 1:	Solid-state current sink (500 mA maximum) can be used for alarm, arming state, or access control. This output is generally programmable.
Programmable Output 2:	Solid-state voltage source (500 mA maximum). This is the smoke power reset for Zone 1 when it is used as a fire zone for two-wire smoke detectors. Can be used for alarm, arming state, or access control.

Power Requirements

Input Power:	18 VAC, 50 VA, 50 Hz
Output Power:	1.5 A maximum
Auxiliary Power:	10.2 VDC to 14.1 VDC
Auxiliary Current:	Total current for all auxiliary devices, including keypads and smoke detectors, is 1.0 A standby and 1.5 A alarm.
Panel Standby Current:	115 mA

Ordering information

DS7080IP32-EXP Control Panel

For export. Includes one control panel for 220 VAC operation, one enclosure, one lock set, one transformer, one resistor, and one hardware pack.
Order number **DS7080IP32-EXP**

DS7080IP32-ITA Control Panel
For use in Italy. Includes one control panel for 220 VAC operation, one enclosure, one lock set, one transformer, one resistor, and one hardware pack.
Order number **DS7080IP32-ITA**

DS7080IP32-NOR Control Panel
For use in Norway. Includes one control panel for 220 VAC operation, one enclosure, one lock set, one transformer, one resistor, and one hardware pack.
Order number **DS7080IP32-NOR**

DS7080IP32-SWE Control Panel
For use in Sweden. Includes one control panel, one enclosure, one lock set, one transformer, one resistor, and one hardware pack.
Order number **DS7080IP32-SWE**

Accessories

AE1 Standard Enclosure (Gray)
Standard gray enclosure with keyed lock. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in x 12.5 in x 3 in).
Order number **AE1**

AE2 Standard Enclosure (Red)
Standard red enclosure with keyed lock. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in. x 12.5 in. x 3 in.).
Order number **AE2**

AE3 Large Enclosure (Gray)
Large gray enclosure with keyed lock. Measures 52.7 cm x 38.1 cm x 10.8 cm (20.7 in. x 15 in. x 4.25 in.).
Order number **AE3**

AE4 Large Enclosure (Red)
Large red enclosure with keyed lock. Measures 52.7 cm x 38.1 cm x 10.8 cm (20.7 in. x 15 in. x 4.25 in.).
Order number **AE4**

AE-TR16 Transformer Enclosure
Required for commercial fire installations.
Order number **AE-TR16**

ICP-EZTS Dual Tamper Switch
Combination tamper switch with a wire loop for additional tamper outputs.
Order number **ICP-EZTS**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

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